

PRIORITY

51378

TOP SECRET 252301Z

26 JUN 1963
HPS
CS
ACL

CEG

FILE

REF MISSION 9054

1. NEARLY EVERY POSSIBLE TYPE OF MALFUNCTION WAS EXPERIENCED IN THE PERFORMANCE OF THE S/I UNIT ON MSN 9054. [] IS CONDUCTING A DETAILED ANALYSIS OF THE S/I PHOTOGRAPHY.

25X1

2. A BRIEF SUMMARY OF THE TYPES OF MALFUNCTIONS THAT OCCURRED INCLUDE:

- A. FAILURE OF SHUTTER TO OPEN (BLANK FRAMES)
- B. DOUBLE, TRIPLE AND OTHER MULTIPLE EXPOSURES.
- C. DOUBLE EXPOSURES WITH NO RELEASE OF PLATEN PRESSURE OR MOVEMENT OF FILM.
- D. DOUBLE EXPOSURES WITH SOME MOVEMENT OF FILM.
- E. DOUBLE EXPOSURES WITH NO FILM METERING BUT ONE EXPOSURE (BOTH GRID AND IMAGE) SHARP AND THE OTHER OUT OF FOCUS INDICATING RELEASE OF PRESSURE PLATE.
- F. INTERVALS OF 7 - 9 - 10 - 11 - 12 - 14 - 21 ETC. BETWEEN CORRELATED PAN AND INDEX FRAMES.
- G. MULTIPLE EXPOSURES (AT LEAST 9) WITH NO APPRECIABLE FILM

Declassification Review by NGA/DoD

25X1

TOP SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

ADVANCE STARTING IN PASS A15 THRU PASS A16 AND ENDING IN PASS A17. AT LEAST THREE RESEAU IMAGES ARE APPARENT.

H. SOME FRAMES OUT OF FOCUS.

3. STUDY TO DATE INDICATES COMPLETE CORRELATION BETWEEN S AND I OPERATION WITH CORRELATION INDICATOR FUNCTIONING PROPERLY. ALSO SMEARED FREQUENCY MARK ON PAN CORRELATES WITH S/I SHUTTER OPERATION EXCEPT THAT AT TIMES NO SMEAR IS EVIDENT.

4. WITH EXCESSIVE EXPENDITURE OF MAN HOURS ANTICIPATES USABLE PORTION OF STELLAR FRAMES CAN BE CORRELATED TO PAN FRAMES SO THAT PITCH, ROLL AND YAW CAN BE DETERMINED FROM STELLAR READOUT.

25X1

T O P S E C R E T

CFN 0862 9054 S/I MSN 9054 A S/I A NO RELEASE PLATEN NO FILM
7 9 10 11 12 14 21 ETC 9 NO APPRECIABLE A15 A16 A17 S I S/I
NO SMEAR STELLAR YAW

BT

320